

Physical origin of the third order nonlinear optical response of orthogonal pyrrolo-tetrathiafulvalene derivatives

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Résumé en anglais	We present the third order nonlinear optical study of tetrathiafulvalene-based molecular corners. Degenerate four-wave mixing measurements have been done to provide information about the magnitude and the origin of the nonlinearity, while the nonlinear absorption has been separately measured by performing "open aperture" Z-scan measurements. The response has been found to be strongly dependent upon the structure of the molecular corners.
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